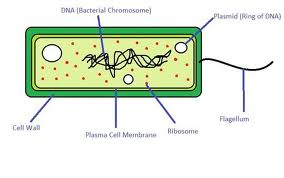
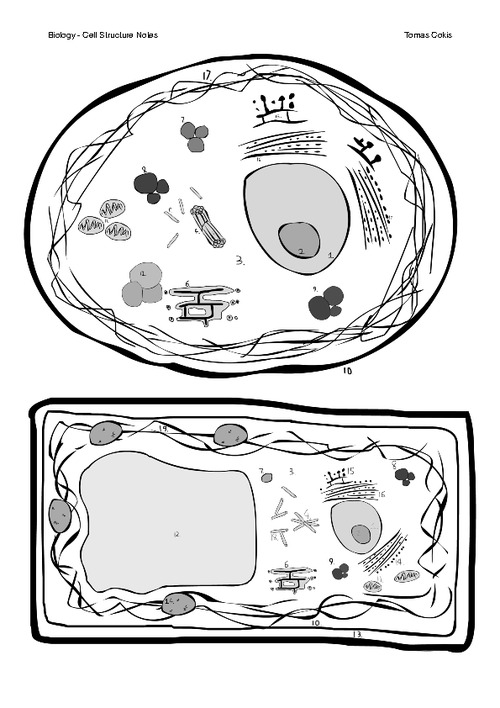
Week 26 Bio Warmups

Listed below are the 5 statements about cells. Choose the term listed in parentheses that will correctly complete the sentence.

|  |  |
| --- | --- |
| 1. | Cells with a variety of membrane-bound organelles are (**prokaryotic, eukaryotic**). |
| 2. | (**Prokaryotes, Eukaryotes**) don’t have a membrane surrounding their genetic material. |
| 3. | An example of a prokaryote is (**bacteria, animals**). |
| 4. | Plant and animal cells are (**prokaryotic, eukaryotic**). |
| 5. | Lack of membrane-bound organelles is a characteristic of (**prokaryotic, eukaryotic**) cells. |

Identify each cell as:

**1**

1. Plant
2. Animal
3. Bacteria

**2**

Also, identify each cell as:

1. Prokaryotic
2. Eukaryotic

**3**

Listed below are the 5 statements about cells. Choose the term listed in parentheses that will correctly complete the sentence.

|  |  |
| --- | --- |
| 1. | If a saltwater organism is placed into freshwater, the organism’s cells will (**gain, lose**) water. |
| 2. | (**Diffusion, Osmosis**) is the movement of water through a selectively permeable membrane without the use of energy. |
| 3. | Through osmosis, (**water, salt**) can move through the cell membrane. |
| 4. | Food particles are actively brought into the cell membrane through (**exocytosis, endocytosis**). |
| 5. | Perfume smell moves across a room through (**diffusion, osmosis**). |

Match each cell organelle with the correct description.

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | ribosomes | a. | large numbers of these are found in muscles |
| 2. | mitochondria | b. | used to package and secrete liver enzymes |
| 3. | Golgi bodies | c. | provides support to plant cells |
| 4. | vacuole | d. | if these are destroyed, then fewer proteins will be produced |
| 5. | cell wall | e. | this part is much larger in plant cells than animal cells |